

- Resistance welded type crystal units.
- High frequency stability and reliability.
- A great number of standard frequencies and wide frequency range.
- Higher frequency pullability and lower equivalent series resistance.
- Lower cost and highly mass production capacity.
- The best choice of TV, STB, LCDM, and Cable Modem.



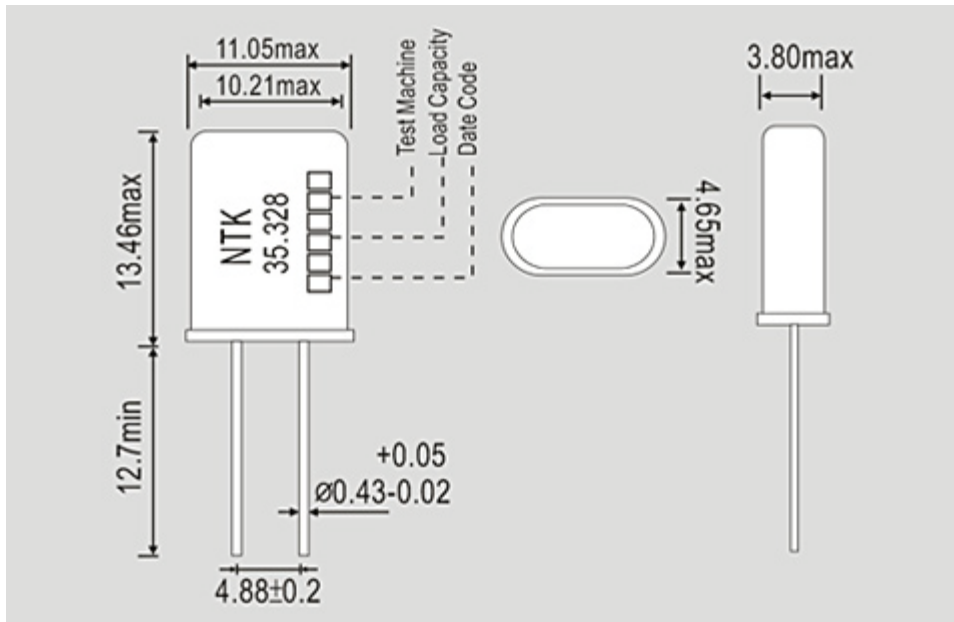
■ Electrical Specifications

Model	HC-49U
Frequency Range	1.843 ~ 200 MHz
Frequency Tolerance (at 25°C)	± 30 ppm, or specify
Frequency Stability Over Operating Temperature Range	± 30 ppm, or specify
Operating Temperature Range	-20°C ~ +70 °C, or specify
Shunt Capacitance (C0)	7 pF Max.
Drive Level	1 ~ 1000 uW (100 uW typical)
Load Capacitance	Series, 16 pF, 20 pF, 30 pF, 32 pF, or specify
Aging (at 25°C)	± 3 ppm / year Max.
Storage Temperature Range	-40 ~ +85 °C

■ Equivalent Series Resistance (ESR)

Fundamental		3rd Overtone		5th Overtone	
1.843 ~ 2.4 MHz	1600 Ω Max.	25 ~ 40 MHz	50 Ω Max.	80 ~ 100 MHz	90 Ω Max.
1.843 ~ 2.4 MHz	400 Ω Max.	40 ~ 80 MHz	40 Ω Max.	100 ~ 200 MHz	60 Ω Max.
3.3 ~ 4 MHz	150 Ω Max.	80 ~ 120 MHz	50 Ω Max.		
4 ~ 10 MHz	80 Ω Max.				
10 ~ 30 MHz	20 Ω Max.				

■ Dimensions



■ Date Code

Month

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2	3	4	5	6	7	8	9	A	B	C

Week

1st	2nd	3rd	4th
A	B	C	D

Test Machine

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M

14	15	16	17	18	19	20	21	22	23	24	25	26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z